AAAS Science Webinar

New complimentary webinar from *Science*.

**Combating the “garbage-in-garbage-out” paradigm: The importance of library prep in next-gen sequencing workflows**

You are invited to hear our panel of experts on September 28, 2016, in this live, online educational seminar. For more information and complimentary registration visit: [webinar.sciencemag.org](http://webinar.sciencemag.org)

**Date:** Wednesday, September 28, 2016  
**Time:** 12 noon Eastern, 9 a.m. Pacific, 5 p.m. UK, 6 p.m. Central Europe  
**Duration:** 1 hour

**About This Webinar**

In the context of next-generation sequencing, the old saying "garbage in, garbage out" translates to "poor sample preparation results in poor data"—sometimes even unusable data. As those poor results often become apparent only after expensive, time-consuming sequencing, it behooves researchers to pay extra attention to the preparation of their DNA samples at every step, from isolation through library preparation to loading the samples onto their sequencer of choice. This webinar will focus particularly on best practices for library preparation, including whole-genome library prep and shearing methods for PCR-free vs. PCR-plus prep, which can substantially impact bias and coverage, among other variables. Attendees will also hear about best practices for quality control of the library preparation process, as well as the impact of library quality on downstream data quality.

During the webinar, the speakers will:

- Explain how critical variables in library preparation can profoundly affect sample quality and resulting output
- Discuss the optimal handling of different sample types, from liquid biopsies or fresh tissue to formalin-fixed tissue blocks
- Provide guidance on how library preparation workflows can be optimized for increased reliability, minimum cost, and best performance
- Answer questions live during the broadcast!

**Participants:**

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Register at: [webinar.sciencemag.org](http://webinar.sciencemag.org)

Questions? E-mail: webinar@aaas.org.

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